



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

Complete If Known

Application Number	10/717,677
Filing Date	11/19/2003
First Named Inventor	Sean P. Palecek
Art Unit	1651
Examiner Name	Taeyoon Kim

Attorney Docket Number

960296.00101

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/TK/		ALTMAN, G.H., et al., "Cell differentiation by mechanical stress," FASEB Journal 16:270-272 (2001)	
		BIRUKOV, K.G., et al., "Stretch affects phenotype and proliferation of vascular smooth muscle cells," Molecular and Cellular Biochemistry 144:131-139 (1995)	
		CHIEN, S., et al., "Effects of Mechanical Forces on Signal Transduction and Gene Expression in Endothelial Cells," Hypertension 31:162-169 (1997)	
		DI PALMA, F., et al., "Physiological strains induce differentiation in human osteoblasts cultured on orthopaedic biomaterial," Biomaterials 24:3139-3151 (2003)	
		KAWATA, A., et al., "Mechanotransduction in Stretched Osteocytes-Temporal Expression of Immediate ...," Biochem. Biophys. Res. Commun. 246:404-408 (1998)	
		PARK, J.S., et al., "Differential Effects of Equiaxial and Uniaxial Strain on Mesenchymal Stem Cells," Biotechnology and Bioengineering 88:359-368 (2004)	
		SANCHEZ-ESTEBAN, J., et al., "Mechanical stretch promotes alveolar epithelial type II cell differentiation," J. Appl Physiol. 91:589-595 (2001)	
		SEKO, Y., et al., "Pulsatile Stretch Stimulates Vascular Endothelial Growth Factor (VEGF) Secretion ...," Biochem. Biophys. Res. Commun. 254:462-465 (1999)	
▼		ZOU, Y., et al., "Signal transduction in arteriosclerosis: Mechanical stress-activated MAP kinases in vascular smooth muscle cells (Review)," Int. J. Mol. Med. 1:827-834 (1998)	

Examiner Signature	/Taeyoon Kim/	Date Considered	09/19/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/717,677
		Filing Date	11/19/2003
		First Named Inventor	Sean P. Palecek
		Art Unit	1651
		Examiner Name	Taeyoon Kim
Sheet	of	Attorney Docket Number	960296.00101

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
/TK/		Di Palma F, Douet M, Boachon C, Guignandon A, Peyroche S, Forest B, Alexandre C, Chamson A, Ratner A. 2003. Physiological strains induce differentiation in human osteoblasts cultured on orthopaedic biomaterial. <i>Biomaterials</i> 24(18): 3139-3151.		
		Altman GH, Horan RL, Martin I, Farhadi J, Stark PR, Volloch V, Richmond JC, Vunjak-Novakovic G, Kaplan DL. 2002. Cell differentiation by Mechanical stress. <i>FASEB Journal</i> 16(2): 270-272.		
		Park JS, Chu JS, Cheng C, Chen F, Chen D, Li S. 2004. Differential effects of equiaxial and uniaxial strain on mesenchymal stem cells. <i>Biotechnology and Bioengineering</i> 88(3): 359-368.		
		Sanchez-Esteban J, Cicchielo LA, Wang Y, Tsai SW, Williams LK, Torday JS, Rubin LP. 2000. Mechanical stretch promotes alveolar epithelial type II cell differentiation. <i>J Appl Physiol</i> 91(2): 589-595.		
		Birukov KG, Shirinsky VP, Stepanova OV, Tkachuk VA, Hahn AW, Resink TJ, Smirnov VN. 1995. Stretch affects phenotype and proliferation of vascular smooth muscle cells. <i>Mol. Cell Biochem.</i> ; 144(2): 131-139.		
		Chien S, Li S, Shyy YJ. 1998. Effects of mechanical forces on signal transduction and gene expression in endothelial cells. <i>Hypertension</i> ; 31(1 Pt 2): 162-169.		
		Kamata A, Mikuni-Takagaki Y. 1998. Mechanotransduction in stretched osteocytes- Temporal expression of immediate early and other genes. <i>Biochem Biophys Res Commun</i> 246 (2): 404-408.		
		Seko Y, Seko Y, Takahashi N, Shibuya M, Yazaki Y. 1999. Pulsatile stretch stimulates vascular endothelial growth factor (VEGF) secretion by cultured rat cardiac myocytes. <i>Biochem Biophys Res Commun</i> 254(2): 462-465.		
V		Zou Y, Hu Y, Metzler B, Xu Q. 1998. Signal transduction in arteriosclerosis: mechanical stress-activated MAP kinases in vascular smooth muscle cells. <i>Int J Mol Med</i> 1(5): 827-834.		

Examiner Signature	/Taeyoon Kim/	Date Considered	09/19/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

474627